

Group Task 3.1.C

Name _____

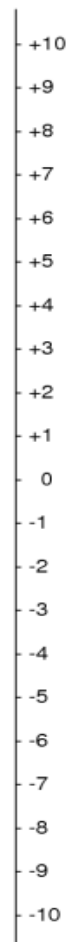
Class _____

Teacher _____

Date _____

6.NS.5 Understand that positive and negative numbers are used together to describe quantities having opposite directions or values; use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.
 6.NS.6a Recognize opposite signed numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself.
 6.NS.7a Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.
 6.NS.7b Write, interpret, and explain statements of order for rational numbers in real-world contexts.
 6.NS.7c Understand the absolute value of a rational number as its distance from 0 on the number line; interpret absolute value as magnitude for a positive or negative quantity in a real-world situation.
 6.NS.7d Distinguish comparisons of absolute value from statements about order.

Rubric					
Operations	4	3	2	1	0
Errors	4	3	2	1	0
Explanation	4	3	2	1	0
Process	4	3	2	1	0
Total Score					



The Tanner family is going to Tahoe for a ski trip.

1. DJ's h on the mountain is -5 ft.

Plot and label DJ's elevation as point D on the vertical (up and down) number line to the right.

2. Stephanie's elevation is opposite DJ's elevation.

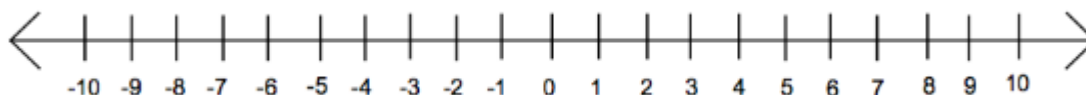
Plot and label Stephanie's elevation as point S on the number line to the right.

3. What is the difference in the girls' elevation in feet?
 (Count the numbers in between the points.)

Answer: _____

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Directions: Use the number line to plot the points for questions 4-6.



4. The ski lodge is located at point 7. Plot and label the lodge as point A.
5. The pro shop is located at -4.5. Plot and label the pro shop as point B.
(-4.5 is the same as $-4\frac{1}{2}$)
6. The ski lift is located at point 0. Plot and label the ski lift as point C.
7. Uncle Jesse is at the ski lodge. He would like to go to the pro shop and rent some skis.
L <<<<<< >>>>>> R

Part A

Should he walk left or right? (The number line above may help you figure out which direction he needs to walk.)

Answer: _____

Part B

Justify your answer.

8. Joey is still at the lodge. Uncle Jesse is at the pro shop. Who is closer to the ski lift? (Which point is closest to 0 on the number line?)

Part A

Who is closer to the ski lift? (Which point is closest to 0 on the number line?)

Answer: _____

Part B

Justify your answer.

9. Part A. Stephanie recorded the temperatures for the first two days of their vacation. On Monday, the temperature was -3°F and on Tuesday, the temperature was -3.5°F . Write an inequality ($>$, $<$, or $=$) to compare the two temperatures.

_____ $^{\circ}\text{F}$ _____ $^{\circ}\text{F}$

Part B. Explain what it means in sentence form. (Ex. - This temperature is colder than this temperature.)

_____ $^{\circ}\text{F}$ is _____ than _____ $^{\circ}\text{F}$.